

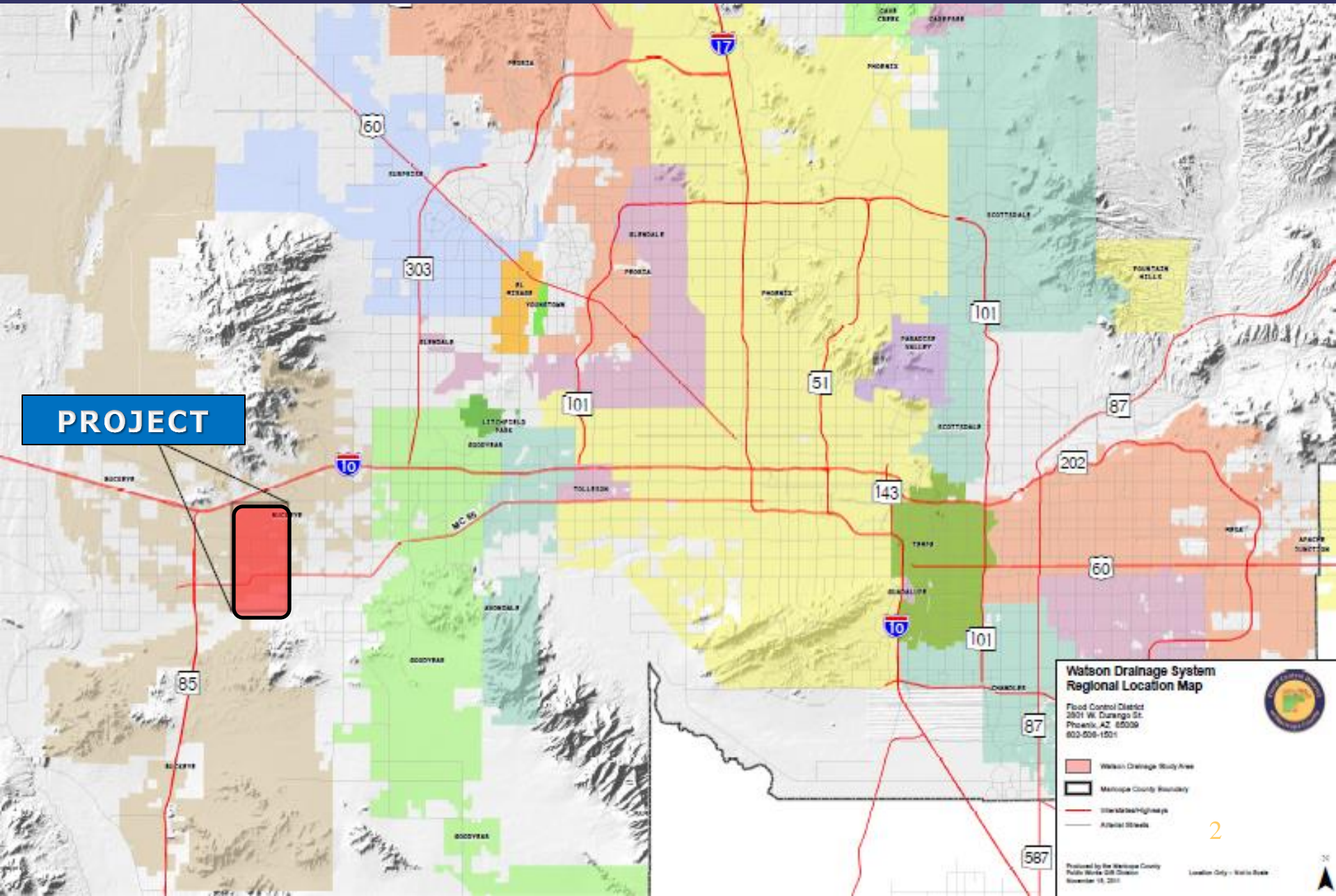


Public Meeting No. 2
May 8, 2013

WATSON DRAINAGE SYSTEM Pre-Design

Flood Control District
Gary Wesch, P.E.
Project Manager

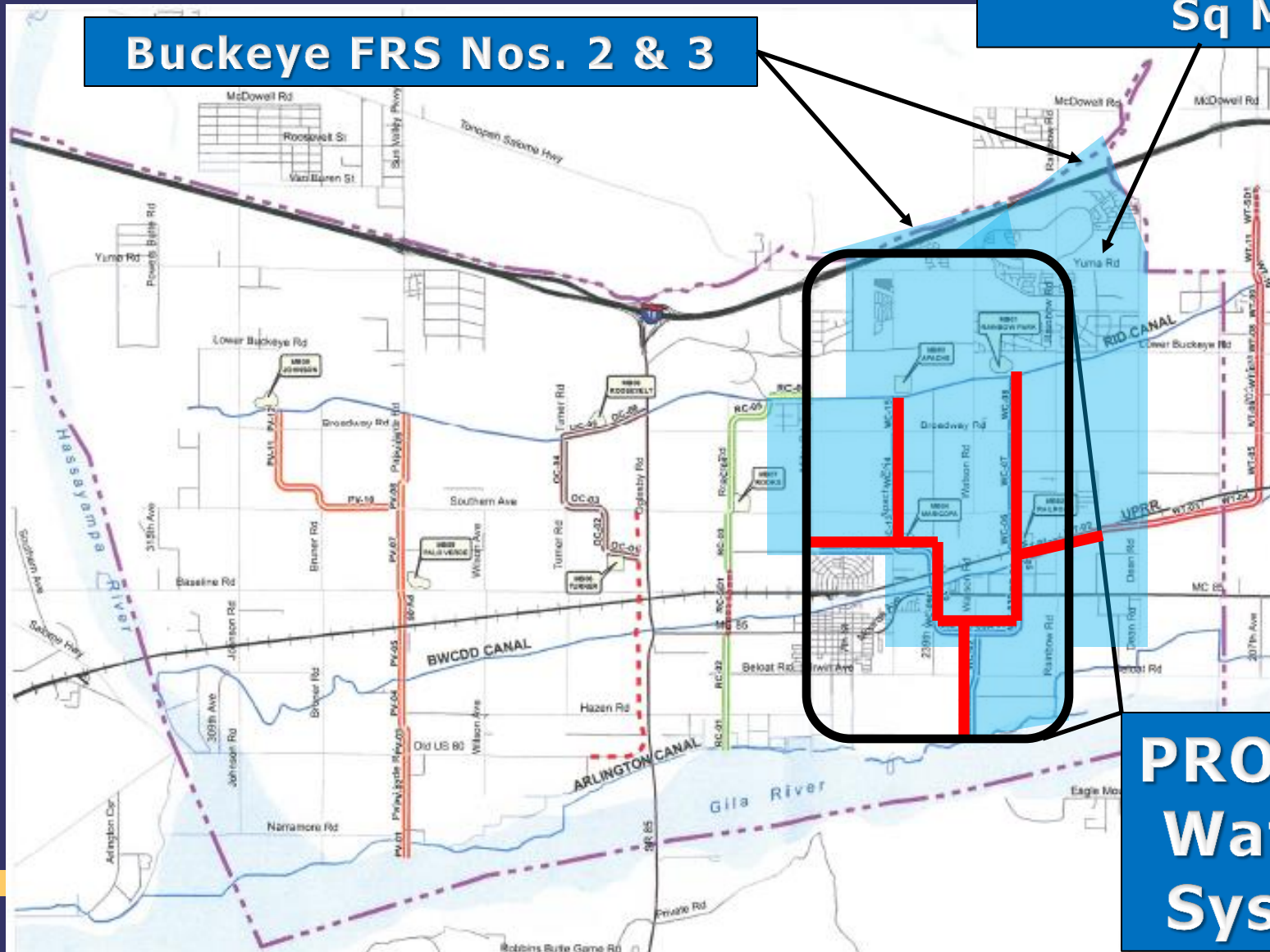
Project Location



Buckeye ADMP 2009

Drainage Area 22
Sq Mi

Buckeye FRS Nos. 2 & 3



PROJECT
Watson
System

Pre-Design Process

- Hydrology updated
- 3 Alternatives to ADMP identified
- Evaluation criteria (from ADMP)
- ADMP “Base” and 3 Alternatives evaluated
- Alternative “A” selected as recommended plan



Watson Drainage System

RID Canal

PROJECT

UPRR

BWCDD Canal

GILA RIVER

Legend

- 6-ft Deep Basin Footprint
- 3-ft Deep Basin Footprint

Recommended Alternative Channels

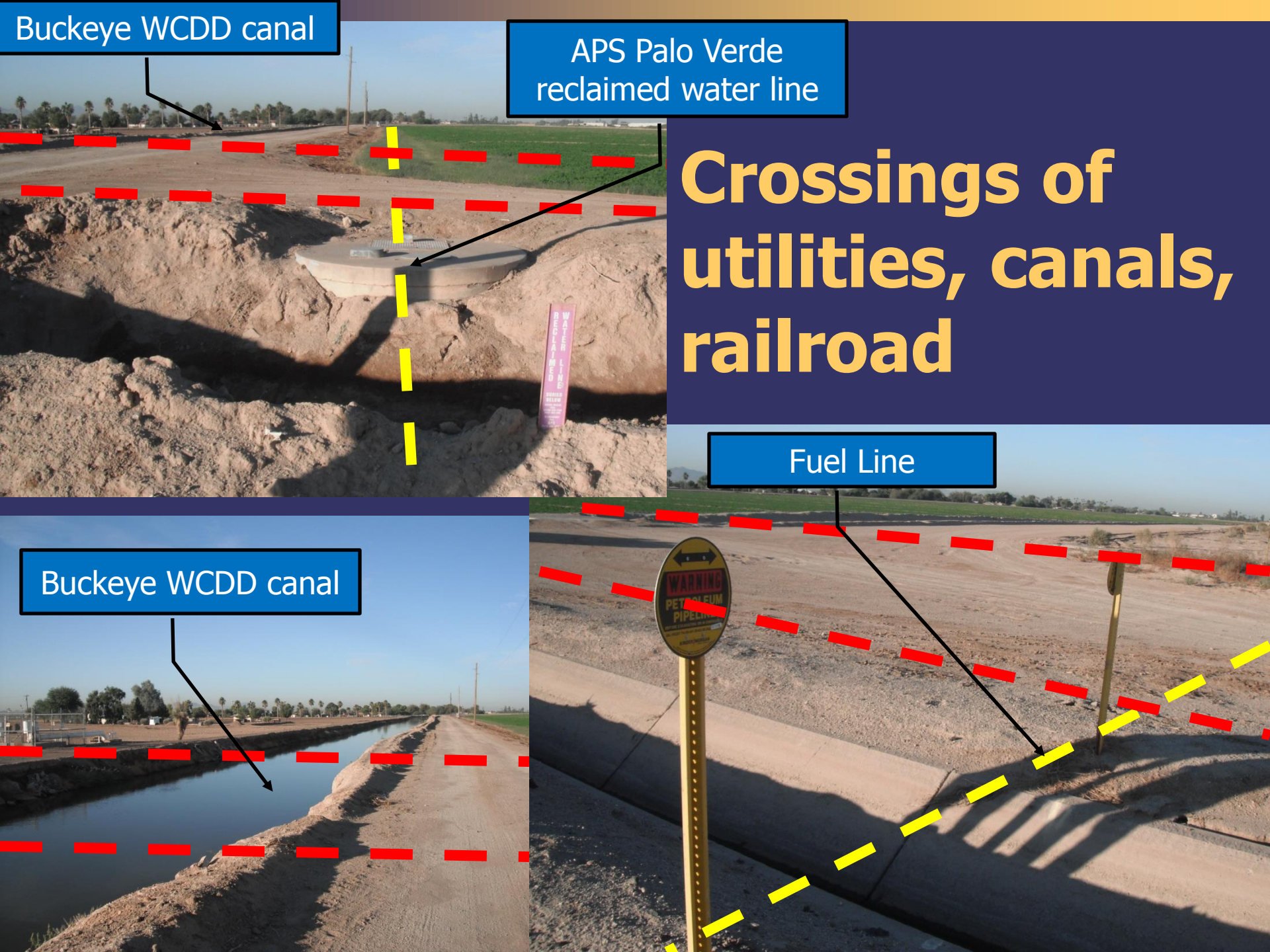
- Sect "01" (Apache) - Gunite
- Sect "02" (Maricopa) - Rock Mulch
- Sect "03" (Watson Drain) - Conc/Earth
- Sect "04" (Industrial) - Concrete



Project Features

- 22 square miles drainage area, eastern portion of ADMP
- 10+ miles of open channel and culverts
- 5 detention basins
- Design Flows range from 50 cfs to 1,100 cfs
- Crossings of UPRR, RID & BWCDD canals, APS Palo Verde pipeline, Kinder Morgan pipeline
- \$76 Million Estimated Project Cost
 - \$52 Million estimated Construction/Utility relocation for 10+ miles
 - \$24 Million estimated ROW for 221 ac





Buckeye WCDD canal

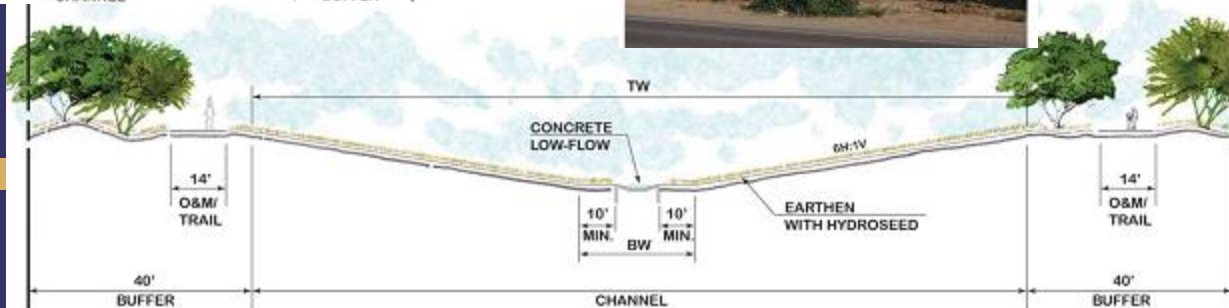
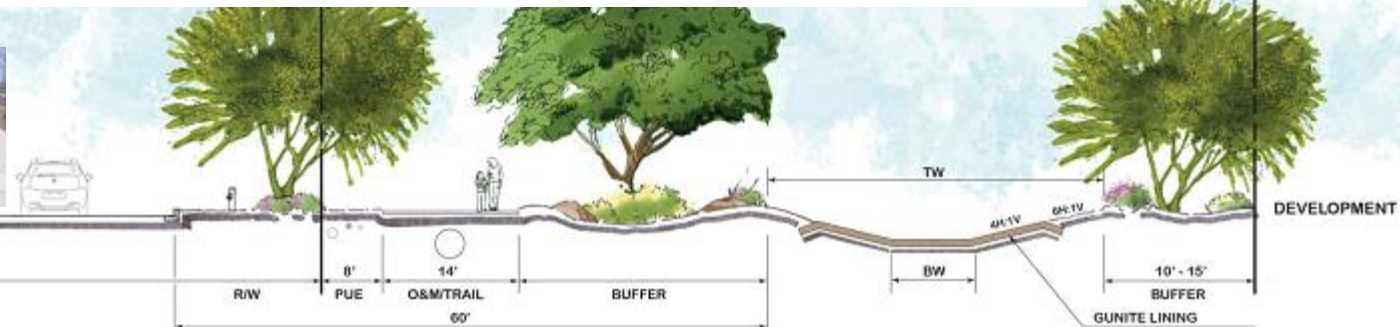
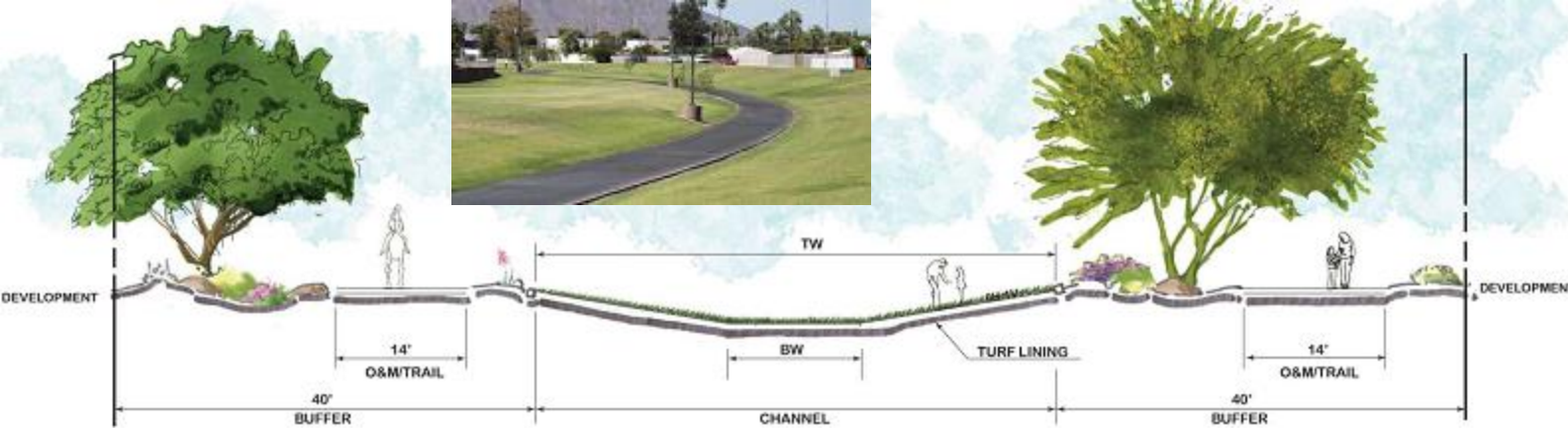
APS Palo Verde
reclaimed water line

Crossings of utilities, canals, railroad

Fuel Line

Buckeye WCDD canal





Channels

Basins



Implementation Steps

- 2010 Buckeye prioritization request included in 2012 CIP endorsed by FCAB
- 2012-2013 Pre-Design
 - Alternative Selected
 - Determine specifics of FCD/Buckeye responsibilities
- FCD : final design & construction from UPRR south to Gila River
 - 2014 Design
 - 2015 ROW & utility relocations
 - 2016 begin construction
- Buckeye : implement upstream of UPRR with future development & capital projects